The ~~Gatehouse at Upper Falls~~ – De Jack Sin in Mercur. 40 mi

was first built in 1890? – & rebuilt 1950

The cement barrel immediately north of the gatehouse was formed and poured by. P — J. Moran, who was an Irishman & a good cement man.

This inlet was in shape of a barrel or ~~cement~~ tube & brings water from Provo River at the Ut. Power & Lite diversion dam about 4 blocks north.

The water comes into the gatehouse past a Tainter Gate → into a cement long box & ~~into~~ metal tube flume.

& now directs water into a round metal Flume which extends clear to the mouth of the Canyon & drives turbines to make electricity there at Olmstead

The first flume was built ~~over~~ the auto road & made of lumber – at Upper Falls

shaped square

see Con Adams book

selection while the system changes directories and paths, and calls up a program. In the case of TopView, for example, a number of parameters have to be entered, as well as special tables which sometimes have to be requested from the manufacturer. ScreenMate successfully avoids getting tangled in this muddle.

Impressive Performance

Using the 6065 system primarily for word processing and spreadsheet/graphics applications, the speed of the unit's 8086-2 microprocessor is impressive. No other unit I've tested — including another using the same microprocessor — was as fast in performing search-and-replace or spelling-checking operations in tested word processing, or in computations (including iterations) in the spreadsheet program used in the test.

Even more impressive was the performance of DOS tasks such as CHKDSK/F, which evaluates the hard disk and which the Xerox 6065 flew through as part of an autoexec routine. The time needed to perform CHKDSK/F was 25 percent of that required with a standard PC-XT.

Cursor movement and control on the 6065 were also fast and easy, with a slightly larger-than-usual cursor displayed. However, I did run into a problem when I tried to use the optical mouse with my WordPerfect or SuperCalc programs. Once the application was selected and entered from ScreenMate, the mouse would not work.

Xerox representitives claim that the mouse driver program is designed to emulate the MicroSoft mouse, and should therefore accept compatible software. However, from my experience, it appears that patches to the program can't be made to let the Xerox mouse work with third-party software.

Software Compatibility

As mentioned, WordPerfect and SuperCalc 3 were the main software programs used in testing the Xerox 6065. But the computer also supports a full complement of MS/PC DOS applications. Three major ones are being supported directly by Xerox: WordStar, Version 3.3, dBase III, and Lotus 1-2-3, none of which were supplied for testing. Xerox's own Writer I and Writer II word processing programs will also run on the 6065, and can take good advantage of the system's specialized keyboard.

The only caveat to bear in mind when determining the compatibility of this machine is that "off-the-shelf" versions of a relatively few programs (a data conversion utility called XenoCopy, for example) don't work well with the 8086-2 microprocessor. If you are planning to use a specific program which is not known to run with the 8086-2, ask a dealer for a demonstration, and then see if a modified version can be obtained from the software publisher.

But, aside from this small number of programs, you can consider the Xerox 6065 as a machine which can handle the demands of an office environment. It's also nice that this system can easily run UNIX and other operating systems when the hard disk is partitioned, giving a user more choices in the software mix, especially when larger hard disks are added for greater capacity.

Documentation: An Average Achiever

As an aid in learning how to set up and run the system, the 6065's documentation gets middling grades. Setup instructions, as noted, are superb, enabling a user to get "up to speed" quickly and easily.

But, while the 6065's documentation is superb in terms of setup information, and a cut above the IBM PC's DOS and operations manuals, it lacks the generous illustrations found in other volumes, such as those released by NCR, Compaq, and AB Dick. The Xerox manuals are largely page after page of black type, well-designed and laid out, but with little illustrative break. The two volumes supplied, each focusing on the operating system and its use with or without ScreenMate, could have taken a page from the hardware manual's format. More pictures, and perhaps some sample exercises, would be most helpful.

Expandability and Serviceability

Fortunately, the Xerox 6065 doesn't skimp on expandability or serviceability. The unit has six full-size expansion slots, plus room on the motherboard for an 8087-2 math co-processor, leaving more than enough room for most corporate PC "power users." The system can also be equipped with up to 512K bytes RAM on the motherboard, and already has a color graphics capability, which means you will not have to add boards and take up expansion slots to get these capabilities.

If you do decide to go beyond 512K bytes, be aware that some memory boards (such as Quadram's Quadboard) need to be retrofitted to work with the 6065's microprocessor — the 8MHz clock speed is just too much for some hardware peripherals. The adjustment can be made through your dealer.

But, aside from this clock speed restriction, the 6065 can take almost any hardware designed to work with the IBM PC — even though the system's footprint is smaller than the traditional PC box.

Servicing the Xerox 6065 should not be a problem, since most of the machine's parts (including its disk drives) easily pop in and out, and the Xerox field service network is among the best available. Service can be obtained both through the firm's field offices and Americare, the Xerox-owned third-party maintenance company which already fixes a number of PC lines, including the IBM PC.